

BOARD OF SUPERVISORS  
COUNTY OF YORK  
YORKTOWN, VIRGINIA

Resolution

At a regular meeting of the York County Board of Supervisors held in the Board Room, York County Finance Building, Yorktown, Virginia, on the 21st day of April, 1999:

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<u>Present</u>	<u>Vote</u>
Sheila S. Noll, Chairman	Yea
James W. Funk, Vice Chairman	Yea
Walter C. Zaremba	Yea
Albert R. Meadows	Yea
Jere M. Mills	Yea

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On motion of Mr. Meadows, which carried 5:0, the following resolution was adopted:

A RESOLUTION TO APPROVE APPLICATION NO. UP-541-98  
WHICH REQUESTS CERTAIN AMENDMENTS TO RESOLUTION  
NO. R82-221(R-2) TO PERMIT THE REMOVAL OF STOCKPILED FLY  
ASH ON A 182-ACRE PARCEL ADJACENT TO OLD YORK-  
HAMPTON HIGHWAY

WHEREAS, Virginia Electric and Power Company has submitted Application No. UP-541-98, which requests amendment of Resolution No. R82-221(R-2) to authorize the removal of a fly ash stockpile located along Old York-Hampton Highway (Route 634) and further identified as Assessor's Parcel No. 24-204; and

WHEREAS, said application has been referred to the York County Planning Commission; and

WHEREAS, the Commission has recommended approval of this application; and

WHEREAS, the Board has carefully considered the recommendation of the Commission and has conducted a duly advertised public hearing in accordance with applicable procedure;

NOW, THEREFORE, BE IT RESOLVED by the York County Board of Supervisors this 21st day of April, 1999, that Application No. UP-541-98 be, and it is hereby, approved to authorize the amendment of the following sections of Resolution No. 82-221(R-2) to allow the removal of stockpiled fly ash as follows:

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- A6. (a) Permanent ash placement: Since the applicant has chosen to propose a series of performance specifications, Vepco shall provide a full time quality control engineering technician, or equivalent trained personnel, who shall be assigned to the testing and monitoring of all ash parameters which will contribute to the proper placement, removal activities, and successful functioning of the ash structural fill as approved by the Board of Supervisors; said technician, or equivalent trained personnel, shall oversee any and all activity at the ash site.

The technician shall have available at all times a sand cone test apparatus and a nuclear densometer to test for compaction of the ash. Such sand cone test shall be performed in accord with ASTM D1556-64 and shall periodically verify the nuclear densometer apparatus on a test strip utilizing this method. The nuclear densometer shall be used on each lift placed at the fill site and shall be so used at least twice per acre or part thereof, of fill area.

The technician shall be responsible for and shall have the authority to stop or modify the placement of ash as required to ensure the optimum compaction and density of the ash.

- (b) Placement of Ash for Beneficial Reuse: When an ash cell is being excavated for beneficial reuse, or when ash is stockpiled temporarily in a cell for purposes of beneficial reuse, the technician shall ensure that the VDEQ (Virginia Department of Environmental Quality) Solid Waste Quality Assurance Plan is followed. The criteria listed above in A6.a for density testing shall not apply to ash stockpiled temporarily for beneficial reuse purposes.

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- A8. No fly ash or bottom ash resulting from the combustion of coal shall be stockpiled at the plant except in the silo(s). Temporary stockpiling of the fly ash shall be allowed at the disposal site when necessary to achieve required compaction levels, or at the plant site during periods of emergency repair. Any such emergency repair shall be reported to the County Administrator or his designee and shall be reported pursuant to Condition D2 if that Condition is otherwise applicable.

Ash may be stockpiled temporarily at the disposal site for beneficial reuse. When stockpiling for beneficial reuse, the total ash stockpiled shall not exceed 100,000 tons.

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- A22. When fly ash is placed permanently in a disposal cell, the fly ash shall be placed in layers no more than twelve inches (12"), and immediately compacted to ninety-five percent (95%) of standard Proctor maximum density. When fly ash is stockpiled temporarily for beneficial reuse, it shall be placed in layers no more than twelve inches (12"), and immediately compacted. A standard Proctor density analysis of ash stockpiled temporarily for beneficial reuse shall not be required.

- A23. When fly ash is permanently placed in a disposal cell, the applicant shall provide quarter annual tests from an independent laboratory which shall be conducted to verify the compaction results obtained by the full time engineering technician or equivalent trained personnel assigned to the project. Such quarter annual tests shall not be required for ash being stockpiled temporarily for beneficial reuse.

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- A27. The applicant shall provide a final series of tests by an independent testing laboratory for the fill as a single structural entity including analyses of all engineering parameters dealing with the structural integrity of the ash fill, with particular attention to the interfacing of individual cells. Such tests shall be performed and results submitted to the County Administrator prior to the closure of the entire site. Such test results shall be certified by an independent professional engineering firm. Should Virginia Power choose to remove for beneficial reuse all, or a portion, of the ash deposited on the site in the approved disposal cells, the site, or a portion thereof, shall be

closed pursuant to the plan for clean closure contained in the ash site's VDEQ solid waste permit requirements. If the ash site is closed pursuant to the VDEQ solid waste permit requirements the series of tests set out hereinabove shall not be required.

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- C19. A fifty foot (50') vegetated evergreen buffer area shall be maintained along all perimeter property lines of the site. Such buffer areas shall be landscaped with at least a double row of evergreen trees, supplemented with shrubs as deemed necessary to complement the trees, and shall be unbroken except for necessary access roads running perpendicular, or nearly so, across it. Said evergreen plantings shall be of adequate size to provide an immediate visual screen of activities conducted with the site, or shall be supplemented with a quick growing variety of shrub to accomplish this objective.

Such buffer areas may be composed of existing vegetation at the site, supplemented as required hereinabove, which affects an immediate visual screen of activities within the site; and the County Administrator, or his designated deputy, shall determine based on field inspections the adequacy of such existing vegetation to accomplish these objectives. Such buffer areas shall, at a minimum, be maintained to meet such standards contained herein.

BE IT FURTHER RESOLVED that the following sections shall be added to Resolution No. R82-221(R-2):

- A32. Any ash required to have cement addition to meet beneficial reuse requirements shall be handled in the following manner:
1. Pugmilling of ash shall be performed within the boundaries of a fully developed cell. Dust control measures shall be practiced to keep dust to a minimum in the areas of excavation, pugmill operation, and truck loading.
  2. All trucks leaving the ash site shall be washed in the truck wash, and wheels manually washed to prevent migration of ash off site.

3. A water truck and water spray system shall be utilized that ensures that fugitive dust from the pugmill operation will be abated.
  4. The pugmill operation will be in open cells only and, with the exception of initial ash removal, operate at the elevation equal to the top of the drainage layer of the cell being excavated, or of the adjacent open, empty cell.
- A33. The entrance to the ash site at Wolf Trap Road shall be upgraded to the satisfaction of the Virginia Department of Transportation (VDOT) and York County prior to commencement of any removal activities. In addition, a bond or other acceptable surety shall be posted with the Virginia Department of Transportation (VDOT) in the amount of \$25,000 to cover any road damages as a result of the removal operation. In addition, at no time shall this activity generate more than four hundred (400) vehicle trip ends per day.
- A34. Operation, QA/QC, and design of the ash removal activities shall be in accordance with the VDEQ permit for the Virginia Power – Yorktown Power Station Solid Waste Disposal Facility. Closure of the facility shall be in accordance with the GAI study titled “Closure/Post Closure Plan, Ash Structural Fill Facility Closure, Yorktown Power Station, York County, Virginia,” and dated May 1998.

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A Copy Teste:

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Mary E. Simmons  
Deputy Clerk